

## CLAIMS IN CURRENT FORM

1. (PREVIOUSLY PRESENTED) A method for activating and deactivating parameter sets during decoding of a bitstream for display comprising the steps of:

(A) storing a first picture parameter information set associated with a first identification value and a second picture parameter information set associated with a second identification value in a computer readable storage medium, wherein said first and said second picture parameter information sets comprise infrequently changing picture parameter information;

(B) tagging said first picture parameter information set as active in response to a reference to said first identification value in a bitstream; and

(C) changing the tag of said first picture parameter information set from active to inactive and tagging said second picture parameter information set as active in response to a reference to said second identification value in said bitstream.

2. (PREVIOUSLY PRESENTED) The method according to claim 1, wherein said first picture parameter information set and said second picture parameter information set comprise H.264/MPEG4-AVC compliant picture parameter sets.

3. (PREVIOUSLY PRESENTED) The method according to claim 1, wherein said first picture parameter information set and said second picture parameter information set comprise H.264/MPEG4-AVC compliant sequence parameter sets.

4. (PREVIOUSLY PRESENTED) The method according to claim 1, further comprising the step of:

receiving said first picture parameter information set and said second picture parameter information set in said bitstream prior to receiving said reference to said first identification value and said reference to said second identification value, respectively.

5. (PREVIOUSLY PRESENTED) The method according to claim 4, further comprising the step of:

tagging said second picture parameter information set as inactive and re-tagging said first picture parameter information set as active in response to a subsequent reference to said first identification value in said bitstream.

6. (PREVIOUSLY PRESENTED) The method according to claim 1, wherein the step of storing picture parameter information sets further comprises storing a plurality of sequence parameter sets and a plurality of picture parameter sets and only one sequence

5 parameter set and one picture parameter set are tagged as active at any given time.

7. (PREVIOUSLY PRESENTED) The method according to claim 1, further comprising the steps of:

parsing network abstraction layer (NAL) unit syntax from said bitstream; and

5 parsing one or more NAL unit types from said NAL unit syntax.

8. (PREVIOUSLY PRESENTED) The method according to claim 7, further comprising the step of:

controlling said parsing of said one or more NAL unit types based upon an active sequence parameter set and an active  
5 picture parameter set.

9. (ORIGINAL) The method according to claim 1, further comprising the step of:

controlling a video decoding process based upon an active sequence parameter set and an active picture parameter set.

10. (PREVIOUSLY PRESENTED) An apparatus comprising:

means for storing a first picture parameter information set associated with a first identification value and a second picture parameter information set associated with a second identification value in a computer readable storage medium, wherein  
5 said first and said second picture parameter information sets comprise infrequently changing picture parameter information;

means for activating said first picture parameter information set in response to a reference to said first  
10 identification value in a bitstream;

means for deactivating said first picture parameter information set and activating said second picture parameter information set in response to a reference to said second identification value in said bitstream; and

15 means for decoding said bitstream for display based upon an active picture parameter information set.

11. (PREVIOUSLY PRESENTED) An apparatus comprising:

a first circuit configured (i) to tag a first picture parameter information set as active in response to receiving a reference to a first identification value associated with said  
5 first picture parameter information set in a bitstream and (ii) to untag said first picture parameter information set as active and tag a second picture parameter information set as active in

response to receiving a reference to a second identification value  
associated with said second picture parameter information set in  
said bitstream; and

10        a second circuit configured to store said first picture  
parameter information set and said second picture parameter  
information set.

12. (PREVIOUSLY PRESENTED) The apparatus according to  
claim 11, wherein said first picture parameter information set and  
said second picture parameter information set comprise H.264/MPEG4-  
AVC compliant picture parameter sets.

13. (PREVIOUSLY PRESENTED) The apparatus according to  
claim 11, wherein said first picture parameter information set and  
said second picture parameter information set comprise H.264/MPEG4-  
AVC compliant sequence parameter sets.

14. (ORIGINAL) The apparatus according to claim 11,  
wherein:

5        said second circuit is further configured to store a  
plurality of sequence parameter sets and a plurality of picture  
parameter sets.

15. (PREVIOUSLY PRESENTED) The apparatus according to claim 13, wherein:

said first circuit is further configured to re-tag said first picture parameter information set as active and tag said second picture parameter information set as inactive in response to receiving a subsequent reference to said first identification value in said bitstream.

16. (ORIGINAL) The apparatus according to claim 11, wherein:

said first circuit is configured to tag only one sequence parameter set and one picture parameter set as active at any given time.

17. (PREVIOUSLY PRESENTED) The apparatus according to claim 11, wherein said first circuit further comprises:

a first parser configured to parse a network abstraction layer (NAL) unit syntax from said bitstream; and

a second parser configured to parse one or more NAL unit types from said NAL unit syntax.

18. (PREVIOUSLY PRESENTED) The apparatus according to claim 17, wherein:

said second parser is further configured to parse said one or more NAL unit types based upon an active sequence parameter set and an active picture parameter set.

19. (PREVIOUSLY PRESENTED) The apparatus according to claim 17, further comprising:

a video decoder configured to decode said bitstream based upon an output from said second parser, an active sequence parameter set and an active picture parameter set.

20. (ORIGINAL) The apparatus according to claim 19, further comprising:

a device configured to present a video display in response to an output of said video decoder and an output of said second parser.